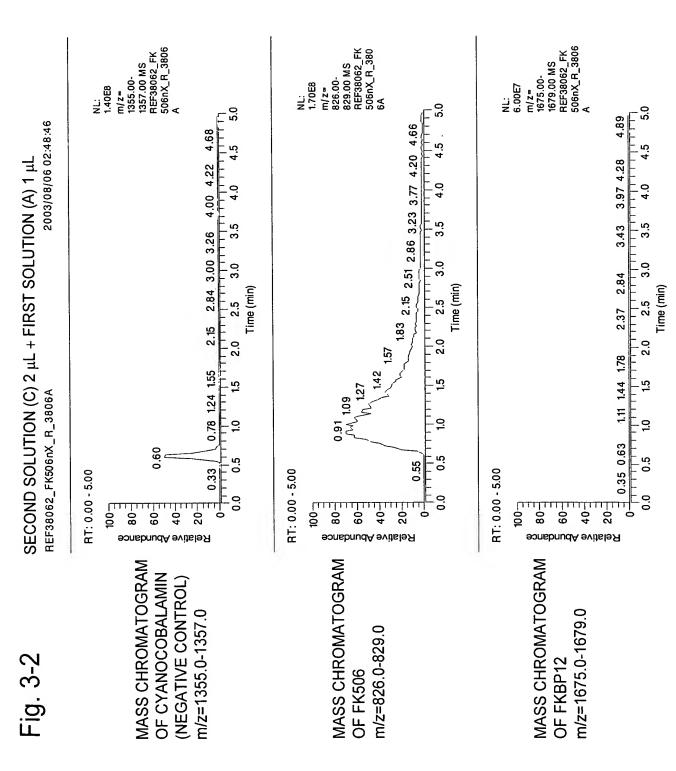
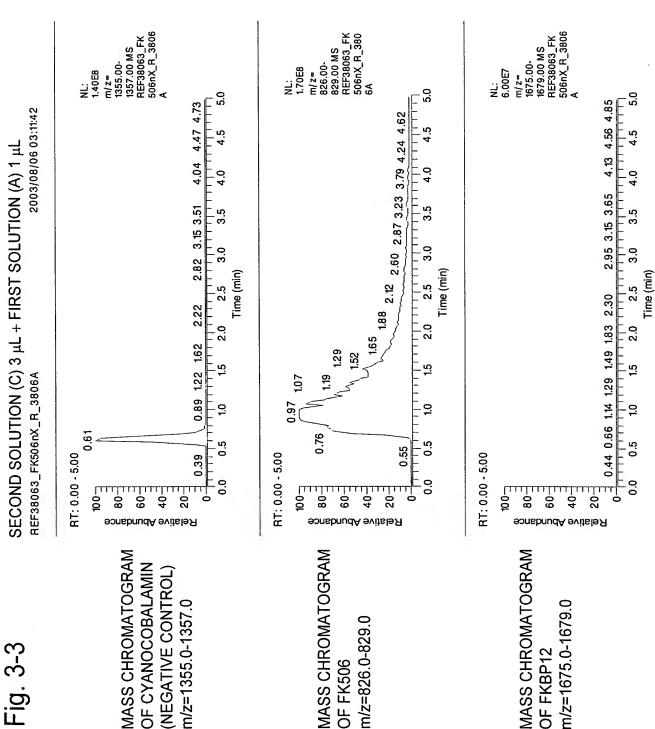
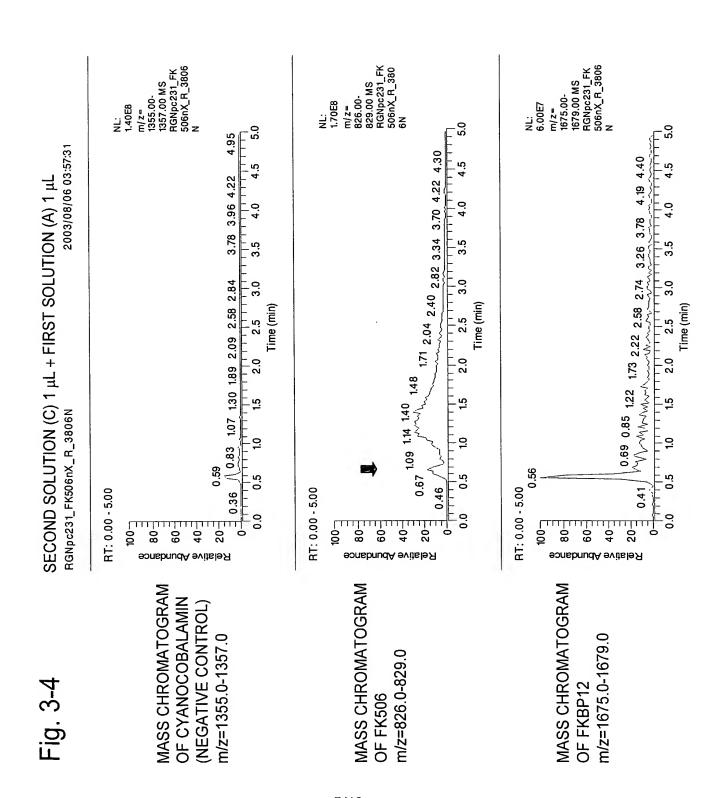


Fig. 2-2

m/z= 1355.00-1357.00 MS REF38061_FK5 06nX_R_3806 A m/z= 1675.00-1679.00 MS REF38061_FK5 06nX_R_3806 A m/z= 826.00-829.00 MS REF38061_FK 506nX_R_380 6A NL: 1.40E8 NL: 6.00E7 5.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 2003/08/06 02:25:52 1.76 1.98 2.28 2.53 3.32 3.66 4.00 4.26 4.49 1.92 2.25 2.64 3.01 3.80 3.86 4.52 3.74 4.29 4.54 4.5 SECOND SOLUTION (C) 1 μ L + FIRST SOLUTION (A) 1 μ L 3.5 1.5 2.0 2.5 3.0 3.18 3.0 2.70 Time (min) Time (min) Time (min) 2.5 1.79 2.09 2.0 1.39 1.52 0.98 1.08 REF38061_FK506nX_R_3806A 0.78 1.24 0.43 0.72 0.91 유 6 2 0.5 0.43 Acel stive Abundance 0.35 RT: 0.00 - 5.00 RT: 0.00 - 5.00 RT: 0.00 - 5.00 207 Relative Abundance 8 8 9 5 2 9 8 8 8 Lududu 8 ∫ Luulı 401 Relative Abundance MASS CHROMATOGRAM MASS CHROMATOGRAM MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 m/z=1675.0-1679.0 m/z=826.0-829.0 OF FKBP12 Fig. 3-1 **OF FK506**



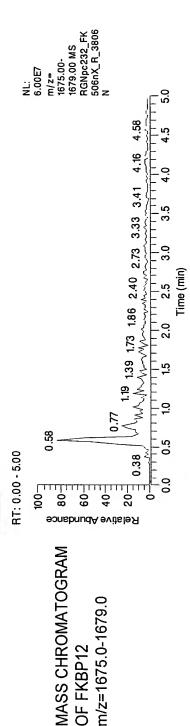




٠. ٠

m/z= 1355.00-1357.00 MS RGNpc232_FK 506nX_R_3806 N m/z= 826.00-829.00 MS RGNpc232_F K506nX_R_38 06N NL: 1.40E8 5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.0 1.83 2.01 2.40 2.68 3.36 3.41 3.80 4.35 4.69 SECOND SOLUTION (C) 2 μL + FIRST SOLUTION (A) 1 μL RGNpc232_FK506nx_R_3806N 3.93 4.16 4.66 3.41 3.0 2.11 2.58 2.81 2.5 Time (min) Time (min) 2.5 1.55 1.65 2.0 0.74 0.88 1.37 5 _ 7. <u>0</u>: Ξ: 99.0 0.58 \$ 20 0.43 \ 0.0 0.0 0.0 0.5 0.53 RT: 0.00 - 5.00 RT: 0.00 - 5.00 RT: 0.00 - 5.00 Relative Abundance 0.0 Relative Abundance MASS CHROMATOGRAM MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 m/z=826.0-829.0 **OF FK506**

· # *:



OF FKBP12

RGNpc233_FK506nX_R_3806N

. .

٠. ،

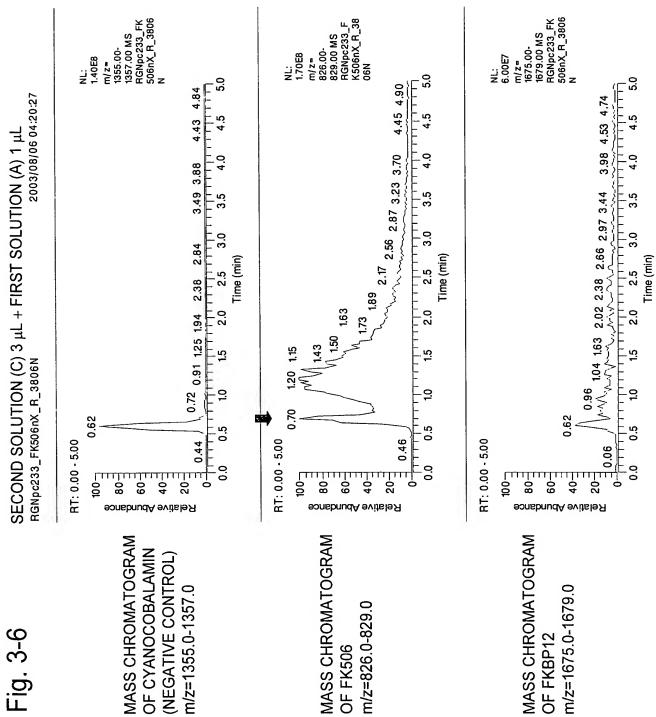


Fig. 4-1 SECOND SOLUTION (B) 1 μL + FIRST SOLUTION (A) 1 μL

REF38061_J8nnnnX_R_3806A

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0

E₀₀₁ NL: 3.00E8 Relative Abundance m/z= 1355.00-1357.00 0.60 MS REF38061_J8nnn nX_R_3806A 50-Time (min)

2003/08/06 08:09:37

MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0

E⁰⁰¹ NL: 1.20E6 Relative Abundance m/z= 461.00-463.00 MS REF38061_J8nn nnX_R_3806A 50 21.98 26.53 34.31 39.04 45.13 54.73 5.32 19.30 19.00 1 Time (min) NL: 2.00E8 100 Relative Abundance m/z= 1866.00-1868.00 MS REF38061_J8nnn nX_R_3806A 50-

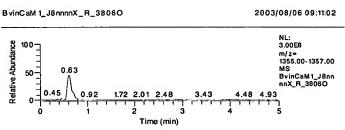
2.75 3.16 3.63

MASS CHROMATOGRAM OF CALMODULIN m/z=1866.0-1868.0

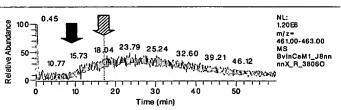
SECOND SOLUTION (B) 1 μL + FIRST SOLUTION (B) 1 μL

0.37 0.68

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0



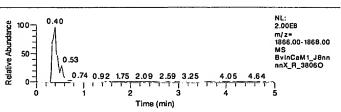
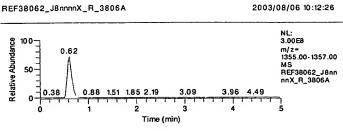


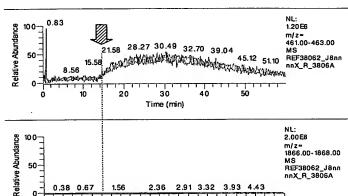
Fig. 4-2

SECOND SOLUTION (B) 2 μL + FIRST SOLUTION (A) 1 μL

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0

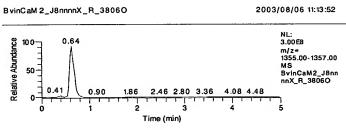


2.91 3.32 3.93 4.43

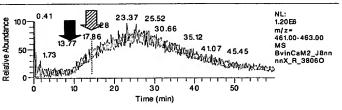
MASS CHROMATOGRAM OF CALMODULIN m/z=1866.0-1868.0

SECOND SOLUTION (B) 2 μL + FIRST SOLUTION (B) 1 μL

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z = 461.0 - 463.0



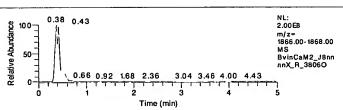
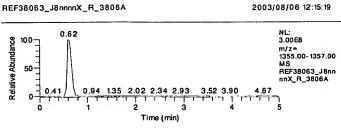


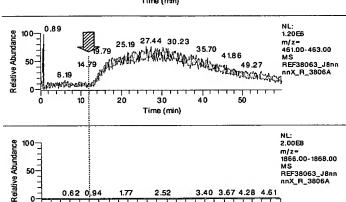
Fig. 4-3

SECOND SOLUTION (B) 3 μ L + FIRST SOLUTION (A) 1 μ L

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0

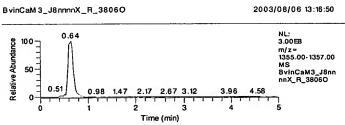


Time (min)

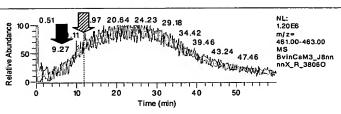
MASS CHROMATOGRAM OF CALMODULIN m/z=1866.0-1868.0

SECOND SOLUTION (B) 3 μ L + FIRST SOLUTION (B) 1 μ L

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0



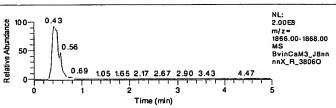
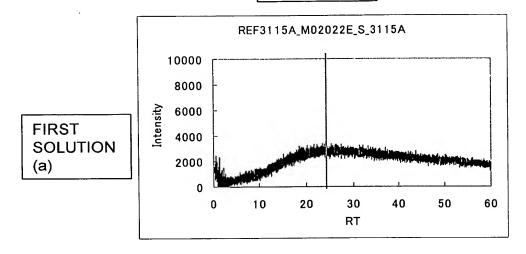
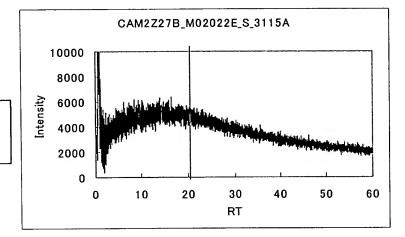


Fig. 5-1

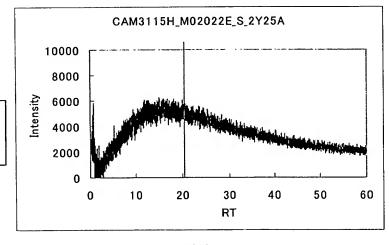
Multi02-022E



FIRST SOLUTION (b)



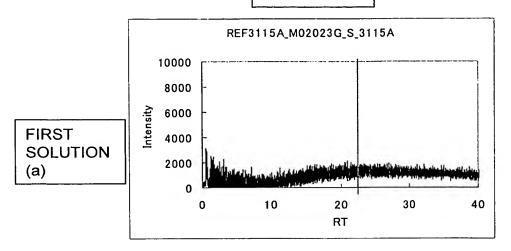
FIRST SOLUTION (c)

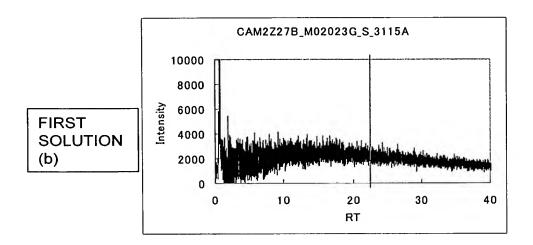


13/40

Fig. 5-2

Multi02-023G





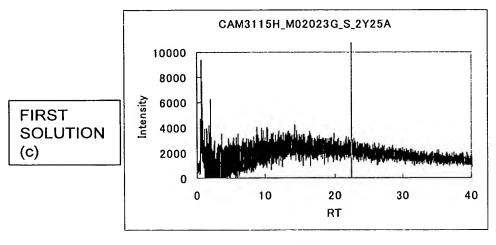
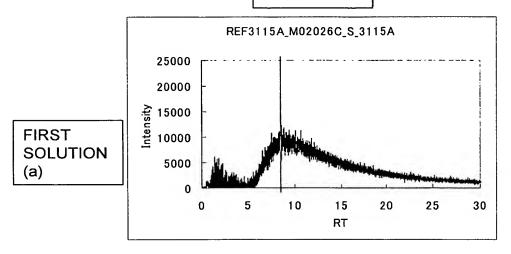


Fig. 5-3

Multi02-026C



CAM2Z27B_M02026C_S_3115A 25000 20000 Intensity 10000 FIRST **SOLUTION** (b) 5000 0 0 5 10 15 20 25 30 RT

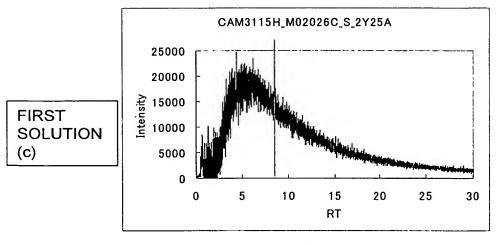
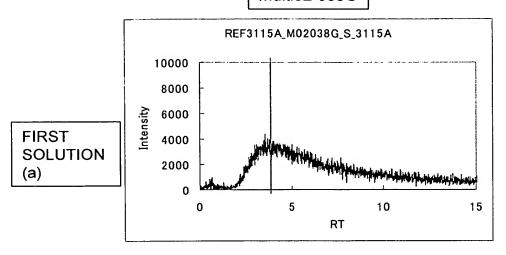
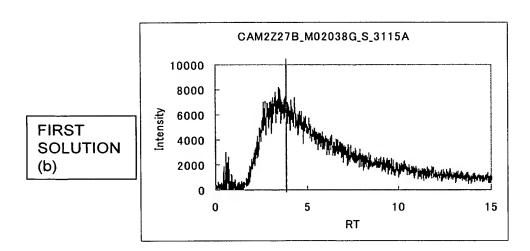
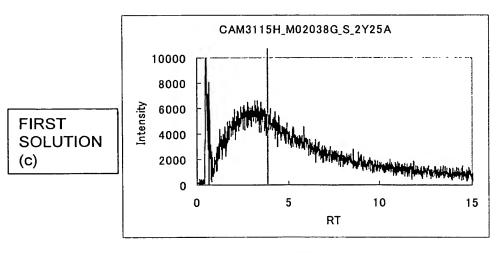


Fig. 5-4

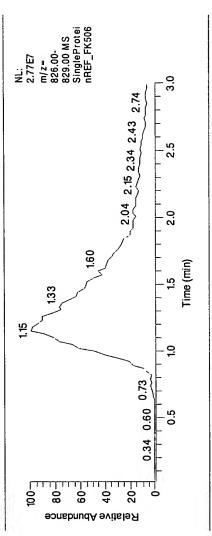
Multi02-038G







m/z= 1355.00-1357.00 MS SingleProtei nREF_FK506 NL: 1.62E7 2.71 2.82 2003/08/18 21:33:00 SECOND SOLUTION (C) → FIRST SOLUTION (A) 2.20 1.68 1.87 0.94 1.07 1.33 L:\Xcalibur\...\SingleProteinREF_FK506 99.0 0 = 0.11 0.23 8 <u>-09</u> 20 - 40-Relative Abundance MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 Fig. 6-1

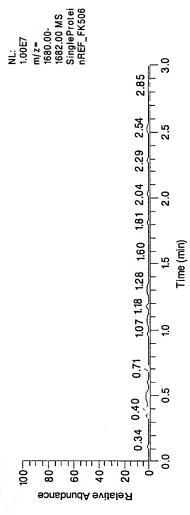


3.0

Time (min)

0

0.0



MASS CHROMATOGRAM OF FK506 m/z=826.0-829.0

MASS CHROMATOGRAM OF FKBP12 m/z=1680.0-1682.0

SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D) m/z= 1355.00-1357.00 MS 2ProteinHSA _HSA_FK506 NL: 1.89E7 2003/08/18 22:43:26 2.57 2.76 2.27 1.98 1.72 1.06 1.34 1.46 L:\X calib ur\...\2 ProteinHSA_HSA_FK506 0.77 0.55 0.42 0.26 100 T <u>-09</u> 20 80 40-Relative Abundance MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 Fig. 6-2

3.0

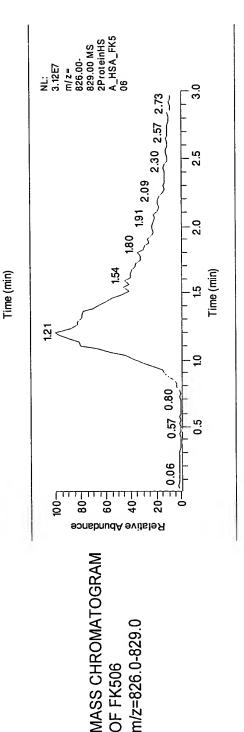
2.5

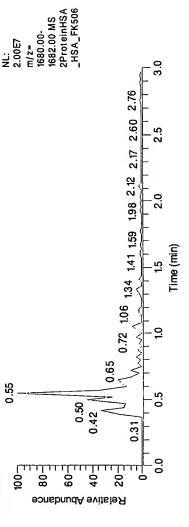
2.0

5:

₽

0.5





MASS CHROMATOGRAM m/z=1680.0-1682.0 OF FKBP12

m/z=826.0-829.0

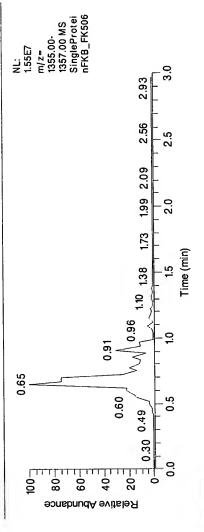
Fig. 6-3

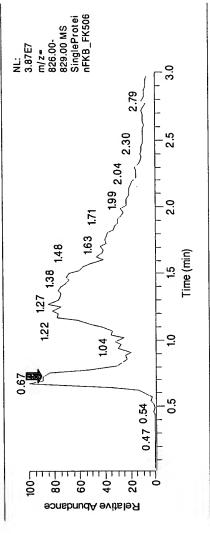
SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (C)

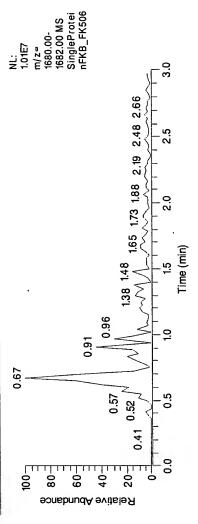
L:\Xcalibur\...\SingleProteinFKB_FK506

2003/08/18 21:44:28









MASS CHROMATOGRAM OF FKBP12 m/z=1680.0-1682.0

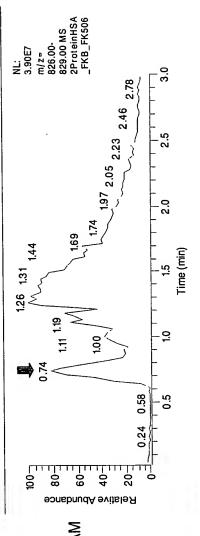
MASS CHROMATOGRAM

m/z=826.0-829.0

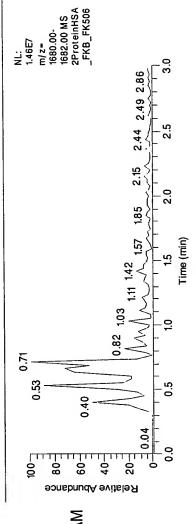
OF FK506

SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (C) \rightarrow FIRST SOLUTION (D) m/z= 1680.00-1682.00 MS 2ProteinFKB _HSA_FK506 m/z= 1355.00-1357.00 MS 2ProteinFKB _HSA_FK506 826.00-829.00 MS 2ProteinFK B_HSA_FK5 06 NL: 4.45E7 NL: 2.28E7 NL: 1.02E7 3.0 3.0 1.78 1.89 2.01 2.22 2.43 2.66 2.76 2.53 2.76 2003/08/18 22:31:24 2.69 1.76 1.94 2.06 2.37 2.24 2.0 1.28 1.36 1.46 1.81 Time (min) Time (min) Time (min) 1.38 1.51 1.33 1.20 L:\X calib ur\...\2 Protein FKB_HSA_FK506 0.97 9 유 5 98.0 0.73 0.68 0.70 0.65 0.60 0.55 0.44 0.42 0.42 0.17 0.17 90.0 100₇ 100 T 20-100T 80-09 80 80 **-09** 40 ☐ 20-09 40-40 20-Relative Abundance Relative Abundance Relative Abundance MASS CHROMATOGRAM MASS CHROMATOGRAM MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1680.0-1682.0 m/z=1355.0-1357.0 m/z=826.0-829.0 Fig. 6-4 OF FKBP12 **OF FK506**

SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (C) m/ z= 1355.00-1357.00 MS 2ProteinHSA _FKB_FK506 NL: 1.42E7 2.96 2003/08/18 22:19:22 1.16 1.26 1.54 1.90 2.10 2.33 2.59 0.82 1.08 L:\Xcalibur\...\2ProteinHSA_FKB_FK506 99.0 0.56 F09 40日 80∃ Relative Abundance MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 Fig. 6-5



Time (min)

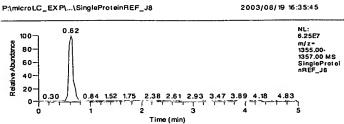


MASS CHROMATOGRAM OF FK506 m/z=826.0-829.0

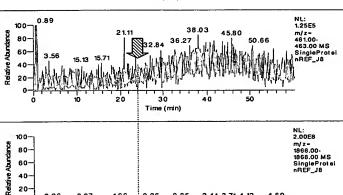
MASS CHROMATOGRAM OF FKBP12 m/z=1680.0-1682.0

Fig. 7-1 second solution (B) \rightarrow FIRST SOLUTION (A)

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0

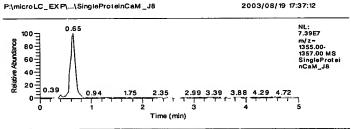


Time (min)

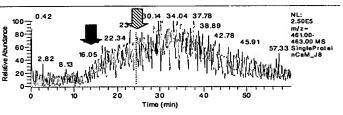
MASS CHROMATOGRAM OF CALMODULIN m/z=1866.0-1868.0

SECOND SOLUTION (B) → FIRST SOLUTION (B)

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0



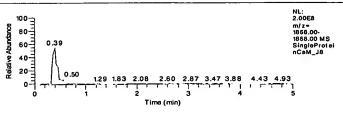
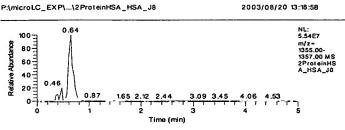


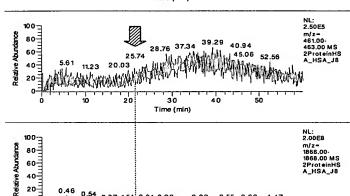
Fig. 7-2

SECOND SOLUTION (B) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0

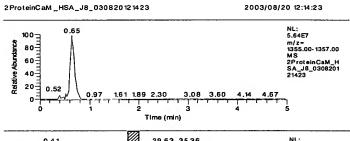


Time (min)

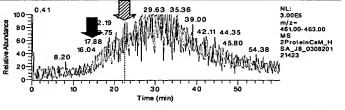
MASS CHROMATOGRAM OF CALMODULIN m/z=1866.0-1868.0

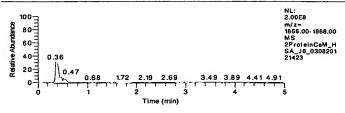
SECOND SOLUTION (B) → FIRST SOLUTION (B) → FIRST SOLUTION (D)

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0



MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0



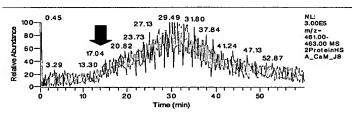


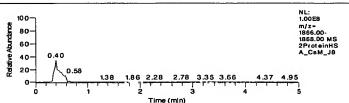
23/40

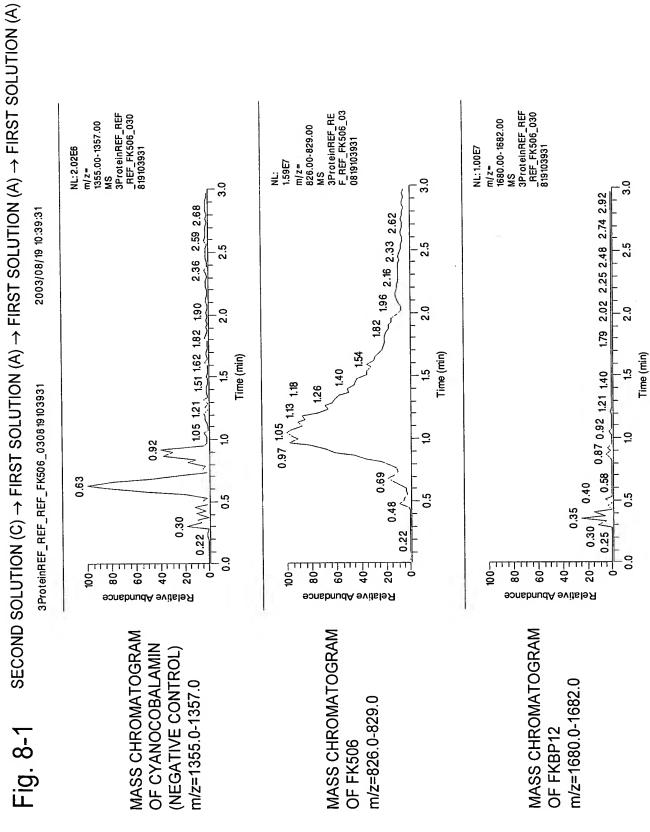
Fig. 7-3

SECOND SOLUTION (B) → FIRST SOLUTION (D) → FIRST SOLUTION (B)

MASS CHROMATOGRAM OF CYANOCOBALAMIN (NEGATIVE CONTROL) m/z=1355.0-1357.0 MASS CHROMATOGRAM OF J-8 m/z=461.0-463.0







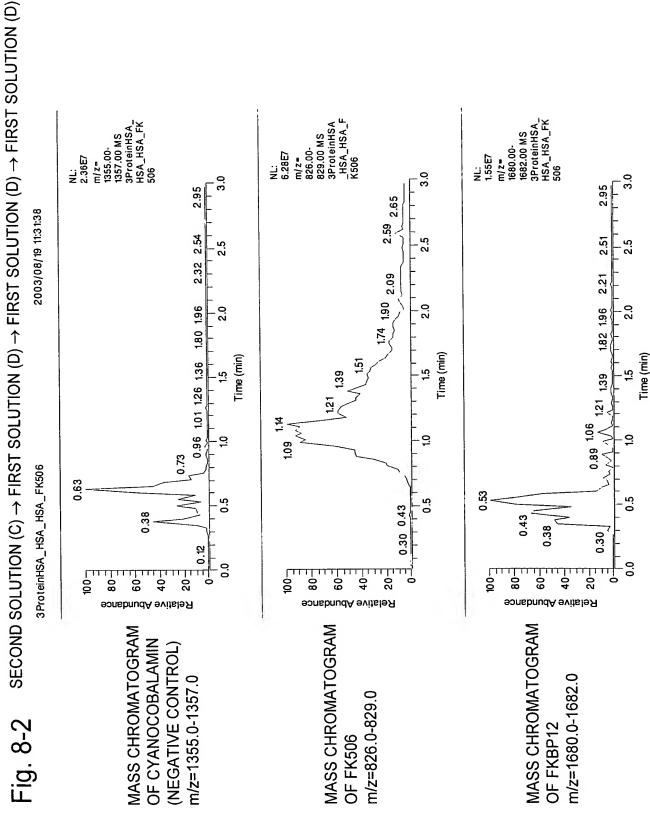
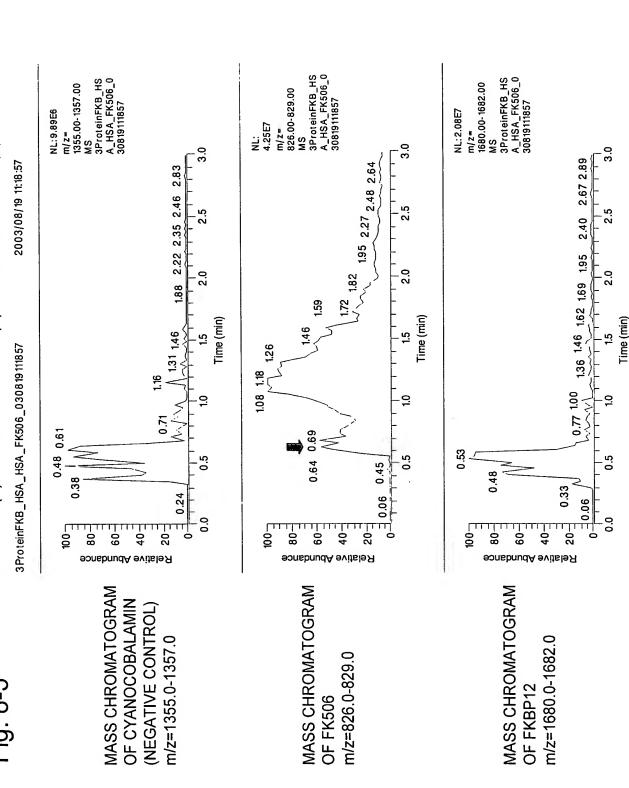
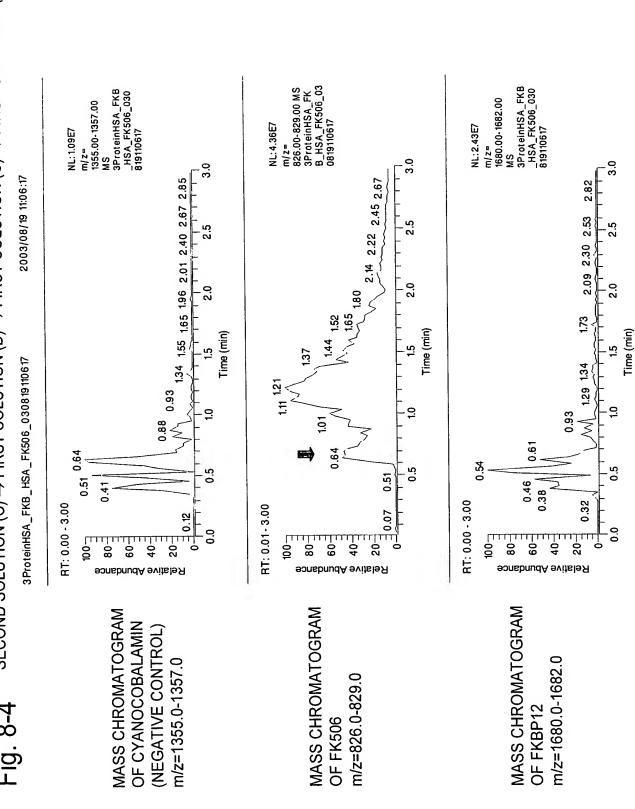
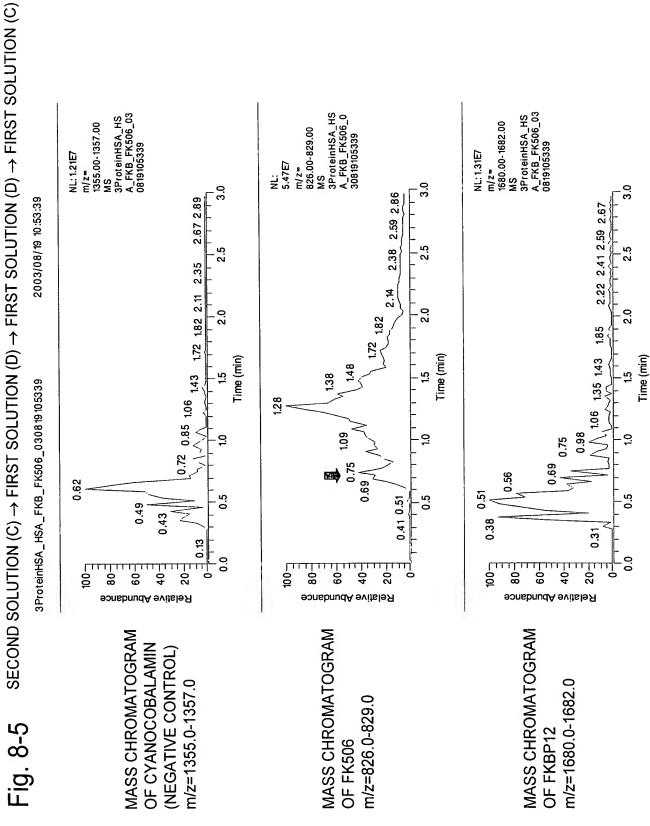


Fig. 8-3 SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (C) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D)

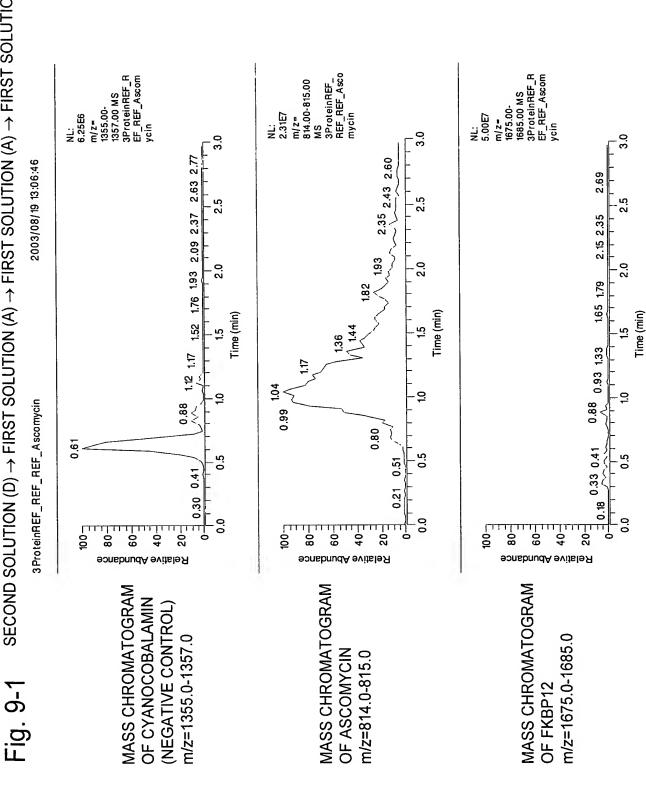


SECOND SOLUTION (C) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (C) \rightarrow FIRST SOLUTION (D) Fig. 8-4

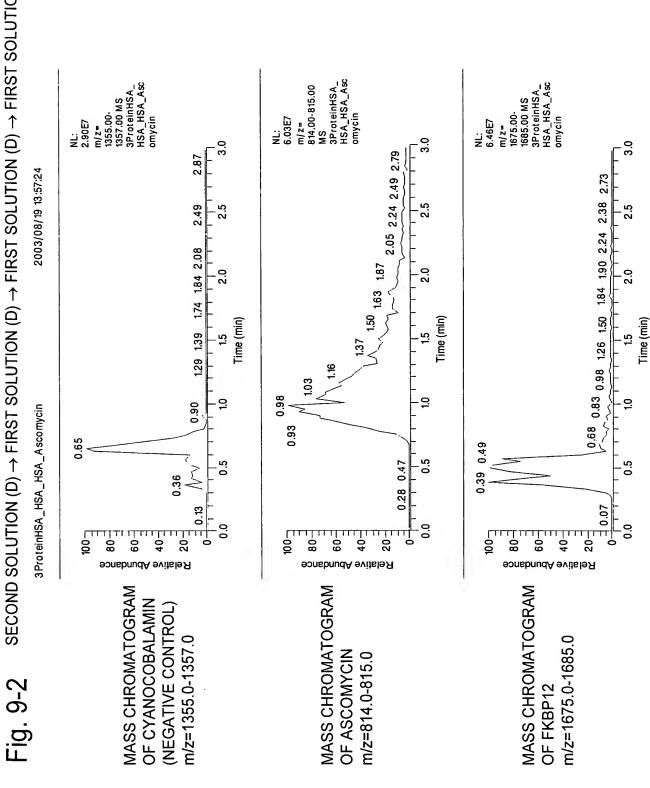




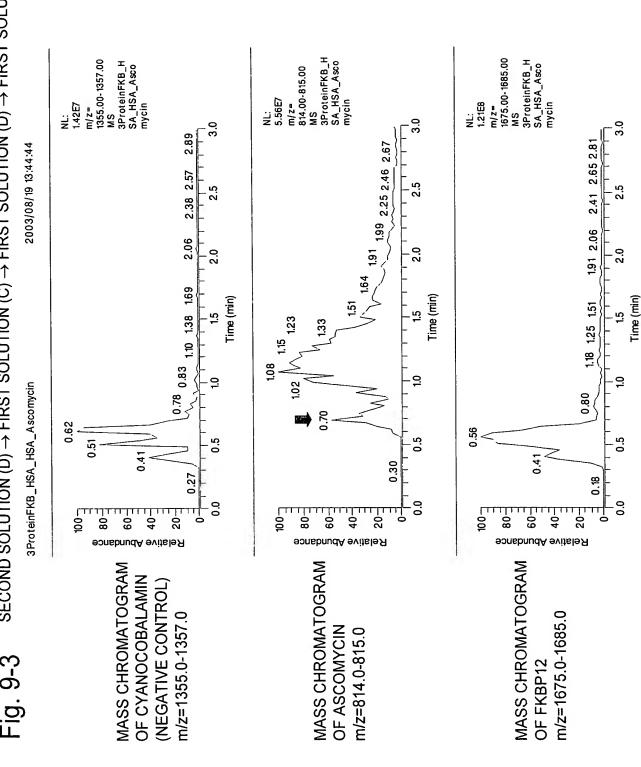
SECOND SOLUTION (D) \rightarrow FIRST SOLUTION (A) \rightarrow FIRST SOLUTION (A) \rightarrow FIRST SOLUTION (A)



SECOND SOLUTION (D) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D)



SECOND SOLUTION (D) \rightarrow FIRST SOLUTION (C) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D) Fig. 9-3



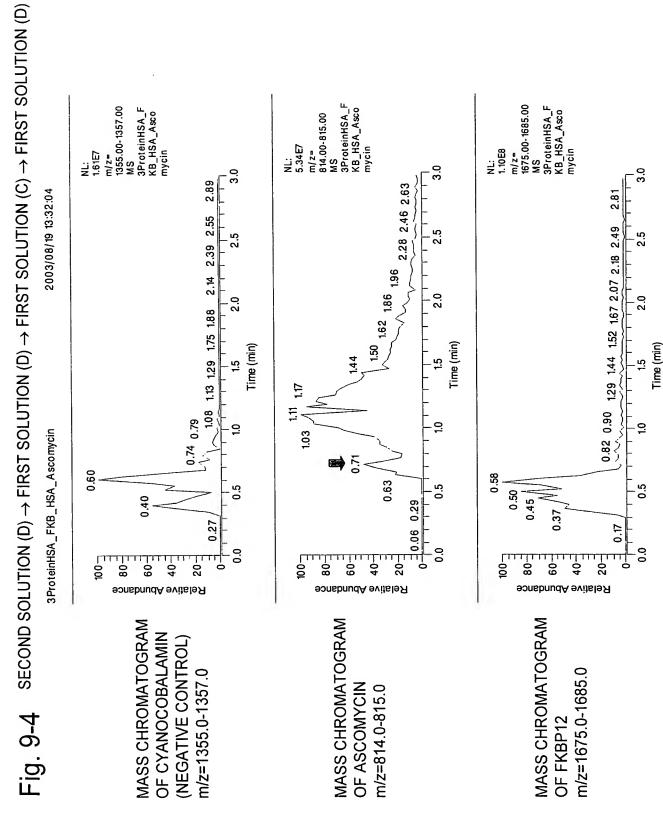


Fig. 9-5 SECOND SOLUTION (D) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (D) \rightarrow FIRST SOLUTION (C)

